

# Converting Colors

XYZ(30.3243, 17.2178, 77.3264)

Have a look what the booklet for  
XYZ(30.3243, 17.2178, 77.3264)  
contains.

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# Color

**XYZ(30.3243, 17.2178,  
77.3264)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9C46E7
RGB	156, 70, 231
RGB Percent	61%, 27%, 91%
CMY	0.3882, 0.7255, 0.0941
CMYK	0.32, 0.70, 0.00, 0.09
HSL	272°, 77%, 59%
HSV	272°, 70%, 91%
XYZ	30.3243, 17.2178, 77.3264
YIQ	114.0680, -0.4250, 68.3030

# Conversions

## Conversions Part 2

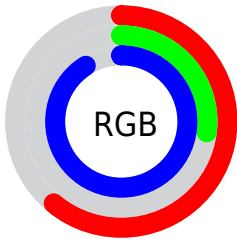
Format	Color
<a href="#">RYB</a>	<a href="#">156, 70, 231</a>
Decimal	<a href="#">10241767</a>
CIELab	<a href="#">48.53, 63.49, -67.17</a>
CIElCh	<a href="#">49, 92.432, 313.387</a>
Yxy	<a href="#">17.2178, 0.2428, 0.1379</a>
Android (android.graphics.Color)	<a href="#">4288431847 (0xFF9C46E7)</a>
YUV	<a href="#">114.0680, 57.6475, 36.7744</a>
Hunter-Lab	<a href="#">41.4943, 57.8337, -81.4433</a>

# Details

The XYZ color **30.3243, 17.2178, 77.3264** is a light color, and the websafe version is hex **9933CC**. The color can be described as light muted purple. A complement of this color would be **41.3585, 63.6140, 15.8936**, and the grayscale version is **15.8482, 16.6735, 18.1575**.

A 20% lighter version of the original color is **53.4079, 36.3343, 98.8061**, and **12.6878, 5.6744, 40.4709** is the 20% darker color. If you saturate the color by 10%, you get **27.1564, 13.8366, 76.8411**, and if you desaturate by 10%, it is **34.2337, 21.8060, 78.0063**.

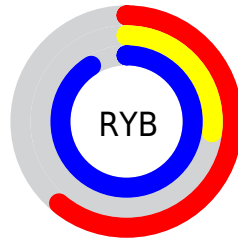
# Distribution



Red (61%)

Green (27%)

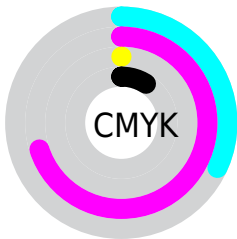
Blue (91%)



Red (61%)

Yellow (27%)

Blue (91%)

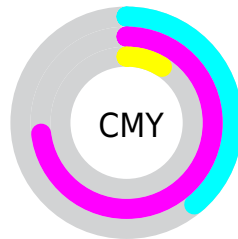


Cyan (32%)

Magenta (70%)

Yellow (0%)

Black (9%)



Cyan (39%)

Magenta (73%)


Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.3243, 17.2178, 77.3264 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 30.3243, 17.2178, 77.3264 by changing the saturation by 10% instead.





 30.3243, 17.2178,  
77.3264


 30.3243, 17.2178,  
77.3264


295.2959,  
236.4244, 505.3434


 20.2342, 10.3899,  
57.0076


 59.5578, 38.6999,  
131.3773


 12.6746, 5.6582,  
40.6020


 79.4318, 54.1228,  
165.9466

 7.2803, 2.6384,  
27.6909


 103.2979, 73.1796,  
206.1031

 3.6859, 0.9460,  
17.8557

 131.5213, 96.2546,  
252.2654

 1.5260, 0.0000,  
10.6781

 164.4675,  
123.7321, 304.8521

 0.3434, 0.0000,  
5.7394

202.5018,

 0.0000, 0.0000,

155.9967, 364.2816

2.6210

245.9895,  
193.4327, 430.9725

■ 0.0000, 0.0000,  
0.9033

■ 0.0000, 0.0000,  
0.0000

■ 30.3243, 17.2178,  
77.3264

■ 30.3243, 17.2178,  
77.3264

■ 27.1564, 13.8366,  
76.8411

■ 34.2337, 21.8060,  
78.0063

■ 24.6550, 11.5227,  
76.5263

■ 38.9438, 27.7158,  
78.8988

■ 22.7035, 10.0492,  
76.3447

■ 44.5097, 35.0501,  
80.0211

■ 22.6488, 10.0097,  
76.3400

■ 50.9805, 43.9006,  
81.3883

■ 58.4013, 54.3513,  
83.0144

■ 66.8140, 66.4799,  
84.9121

■ 76.2576, 80.3589,  
87.0933

■ 86.7691, 96.0564,  
89.5692

■ 90.6368, 98.1438,  
89.7682

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



20.4403, 17.2178, 110.8297



30.3243, 17.2178, 77.3264



37.5046, 17.2178, 35.5293

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



30.3243, 17.2178, 77.3264



21.4864, 17.2178, 0.0000



5.0718, 17.2178, 31.7790

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



30.3243, 17.2178, 77.3264



41.3585, 63.6140, 15.8936

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



5.1815, 17.2178, 8.3107



30.3243, 17.2178, 77.3264



12.8709, 17.2178, 0.0000

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



30.3243, 17.2178, 77.3264



31.3145, 17.2178, 1.4837



7.5218, 17.2178, 1.1666



7.1417, 17.2178, 72.6413



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



30.3243, 17.2178, 77.3264



38.6502, 17.2178, 16.1200



7.5218, 17.2178, 1.1666



4.8842, 17.2178, 21.6455

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



30.3251, 17.2184, 77.3268



71.6925, 66.0355, 103.5753



27.0958, 27.3637, 79.4553



14.7775, 13.3305, 22.0441



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30.3251, 17.2184, 77.3268



32.3959, 15.7825, 95.9466



48.8227, 26.8405, 74.2959



14.3144, 14.2643, 18.1432



12.8420, 5.6862, 42.8039



1.0560, 0.4754, 3.1681



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



40.2562, 23.4139, 29.1853



46.8025, 24.7427, 27.3447



32.3846, 58.9673, 16.3980



14.6550, 14.4792, 16.3834



20.0422, 10.1511, 9.1170

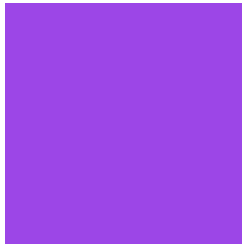


1.5276, 0.7687, 0.9188



# Previews

## White Background



This preview shows how the XYZ color 30.3243, 17.2178, 77.3264 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

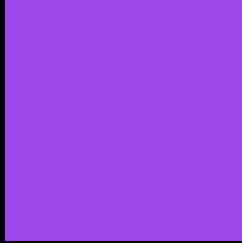
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 30.3243, 17.2178, 77.3264 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

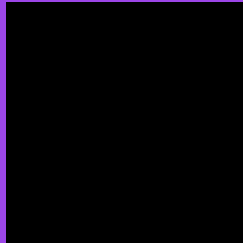
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 30.3243, 17.2178, 77.3264**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.3243, 17.2178, 77.3264.



This preview shows how white text looks on a background with the XYZ color 30.3243, 17.2178,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

30.3243, 17.2178, 77.3264

### Protanopia

20.6798, 17.3670, 80.8595

### Deuteranopia

17.6190, 17.4131, 60.8250



## Tritanopia

18.5066, 17.1370, 18.8554

# Trichromacy



## Original Color

30.3243, 17.2178, 77.3264



## Protanomaly

20.7215, 15.1761, 79.6790



## Deuteranomaly

18.6068, 15.0835, 66.2207



## Tritanomaly

21.5020, 16.3137, 34.3633

# Monochromacy



## Original Color

30.3243, 17.2178, 77.3264



## Achromatopsia

15.9940, 16.8269, 18.3245



## Achromatomaly

19.5067, 15.8368, 33.9270

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.3243, 17.2178, 77.3264 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(156, 70, 231)` looks like.

```
.text, #text, p{  
    color:rgb(156, 70, 231)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(156, 70, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 70, 231) }
```

## Border

The CSS property to change the border of an element to XYZ 30.3243, 17.2178, 77.3264 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(156, 70, 231) }
```



If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(156, 70, 231) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(156, 70, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 70, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 70, 231);  
box-shadow:4px 4px 4px 4px rgb(156, 70,  
231) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.3243, 17.2178, 77.3264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 70, 231) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(156, 70,  
231) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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